

25622

The influence of arc...

P/036/61/000/008/001/002  
D001/D101

Cooling speed of the metal area adjacent to the weld can be expressed by the following equation:

$$w = \omega \frac{2\pi\lambda(T-T_0)^2}{q/v} \left[ {}^{\circ}\text{C/sec} \right]$$

where  $T$ =the temperature in  ${}^{\circ}\text{C}$  at which the cooling takes place,  $T_0$ =the temperature of the object in  ${}^{\circ}\text{C}$ ,  $\lambda$ =heat conductance coefficient in  $\text{cal/cm x sec x } {}^{\circ}\text{C}$ ,  $q$ =amount of heat put into the metal in  $\text{cal/sec}$ ,  $v$ =welding speed in  $\text{cm/sec}$ ,  $\omega$ =the coefficient in  $\text{cal/cm x sec x } {}^{\circ}\text{C}$ ,  $\eta$ =amount of heat put into the metal in  $\text{cal/sec}$ ,  $v$ =welding speed in  $\text{cm/sec}$ ,  $\omega$ =the coefficient depending on the shape and size of the welded object. The amount of heat put into the metal per unit of time was calculated by the following formula:

$q = 0.24 U \times I \times \eta \text{ cal/sec}$ , where  $U$ =the arc voltage in V,  $I$ =welding current power in A and  $\eta$ =metal heating process efficiency coefficient. For calculation of the arc linear heat power  $q/v$ , the coefficient  $\eta = 0.75$  was chosen for hand welding, and for automatic welding  $\eta = 0.90$ . The authors examined six sorts of steel, containing from 0.10 - 0.48% C, 0.32 - 1.08% Mn, 0.03 - 0.33% Si and 0.022 -

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D001/D101

0.05% S and applied the following arc linear heat capacities: 750, 1,492, 2,113 and 3,729 cal/cm. In order to secure identical structural properties, all samples were annealed before welding. Welded samples were metallographically examined and their hardness measured by Vickers' method. Upon examination of obtained data, it was revealed that as the arc heat capacity diminishes, the hardness of steel affected by heat increases along with carbon content in it. As the hardness of the intermediate sphere should not exceed HV 300, for welding steel with higher carbon content, thicker electrodes and a current of higher intensity should be applied and at the same time welding speed reduced. Thicker steel tends to harden in the sphere of heat influence, therefore, in order to avoid this, the data obtained, should be multiplied by a suitable coefficient listed in a table. The article ends with a practical example on how to estimate the arc current intensity for fillet welding of a 20 mm thick steel sheet containing 0.4% C, with welding speed 7 m/hr (0.19 cm/sec), arc voltage  $U = 28$  V and  $\eta = 0.75$ . There are 3 tables, 3 graphs, 8 photos and 6 references: 4 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows:

Card 3/4

The influence of arc...

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P/036/61/000/008/001/002  
D001/D101

H. Sekiguchi, M. Inagaki: "Continuous Cooling Transformation Diagrams of Steels for Welding and their Application"; Guide to Weldability of Steels. American Welding Society, 1942.

ASSOCIATION: Politechnika Śląska (Silesian Polytechnical Institute),  
Gliwice.

Card 4/4

BROZDA, Jerzy, mgr inż.; KULISZ, Henryk, mgr inż.

Technological characteristics of Polish-made electrodes. Przeg  
spaw 14 no.8:210-213 Ag '62.

1. Katedra Spawalnictwa, Politechnika Śląska, Gliwice.

~~VACLAU BOZDECH;~~

JINDRICH JIRA; VACLAU BOZDECH; Technicka spoluprace: Frantisek Lavicka

Complement-fixation reaction in toxoplasmosis. I. Basic method with  
antigen from mouse ascites. Cas. lek. cesk. 96 no.44:1396-1401  
31 Oct 57.

1. Protozoologicka laborator Cs. akademie ved, prednosta akademik  
O. Jirovec. Parasitologicke odd. Zoologickeho ustavu na biologicke  
fakulte, vedouci doc. Dr J. Kramar. Katedra mikrobiologie lekarske  
fakulty hygienicke, prednosta doc. Dr J. Sedlak. J.J., Praha 2,  
Vinicna 7.

(TOXOPLASMOSIS, immunol.  
complement-fixation with mouse ascites antigen (Cz))

(COMPLEMENT  
fixation with mouse ascites antigen in toxoplasmosis (Cz))

CZECHOSLOVAKIA/Zooparasitology - Parasitic Protozoa. Flagellates. G.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95271

Author : Bozdech, Vaclav; Jira, Jindrich

Inst :

Title : Reaction of Hemagglutination with Toxoplasma Antigen.

Orig Pub : Casop. lekaru ceskych, 1958, 97, No 12, 375-376.

Abstract : The rate of positive results of the reaction of agglutination with toxoplasmosis was lower than with BSR.

Card 1/1

- 3 -

DANIEL, Milan; BOZDECH, Vaclav; MOUČKA, Cyril

Occurrence of *Demodex folliculorum* (Owen 1843) in man & its epidemiology. Česk. epidem. mikrob. imun 8 no.1:52-60 Jan 59.

1. Biologicky ustav Čsav (parasitologie) v Praze a Katedra mikrobiologie LFHKKU v Praze. M.D., Praha 6, na cvicisti 2.  
(MITBS)

*Demodex folliculorum* occurrence in man & its epidemiol.  
(Cz))

}

CERNY, Ludek; FUCHS, Vladimir; JIRA, J.J.; BOZDECH, V.

Congenital damages of the central nervous system in children related to latent toxoplasmosis in mothers. Cesk.psychiat. 56 no.2:85-94 Ap '60.

1. Detske oddeleni psychiatricke kliniky KU v Praze. Detska psychiatricka ambulance fakultni polikliniky v Praze. Katedra pro porodnictvi, gynekologii dospelych a deti pediatricke fakulty KU v Praze.

(TOXOPLASMOSIS in pregn.)

(PREGNANCY compl.)

(MENTAL DEFICIENCY etiol.)

BROZEK, Anna

Inheritance of the length and width of the head and the  
cephalic index. Prace zool no.8:33-42 '61 [publ. '64].

1. Institute of Anthropology of the Jagiellonian University,  
Krakow. Head: prof. dr Eugenia Stolyhwo.

ALEKSANDROWICZ, Julian, prof. dr.; BROZEK, Anna; KACZANOWSKI, Krzysztof;  
PASKOWSKI, Bogdan.

Anthropometry of patients with leukemia. Pol. tyg. lek. 19 no.43:  
1636-1638 26 0 '64

l. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie  
(Kierownik: prof. dr. J. Aleksandrowicz i z Zakładu Antropologii  
UJ (Kierownik: prof. dr. E. Stolnyhwo).

*BRÓZEK, Bohumil*

Changes in the chemical composition of mineral waters during storage. Bohumil Brozek (State Inspectorate Mineral Springs, Teplické Lázně, Czech.). *Lázeňský List*, 4, 380-91 (1949).—Mineral water from 9 springs was put into dark-green bottles and stored at 15-20° or at 5-20°, either in daylight or darkness. The samples were analyzed at time of filling, in 24 hrs., in 30 days, 60 days, and 90 days, for acidity, sp. gr., Cl, SO<sub>4</sub><sup>2-</sup>, HCO<sub>3</sub>, free CO<sub>2</sub>, SiO<sub>2</sub>, Fe, K, Na, Ca, and Mg. Pptn. of Fe was due to air oxidation with loss of Cu<sub>2+</sub> and Fe bacteria. Pptn. of Ca and Mg was due to gradual loss of CO<sub>2</sub>. It is therefore important to guard against loss of CO<sub>2</sub> since all pptns. except that due to bacteria depend on it.

H. Newcombe

BROZEK, B.; KOUT, Q.

Changes in the chemical composition of mineral water in Frantiskovy Lazne.

P. 178, (Voda) Vol. 36, no. 7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

BRZOZEK, BOHUMIL

H-6

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Application - Safety Engineering. Sanitary  
Engineering.

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8514

Author : Brozek Bohumil

Inst : -  
Title : Occupational Damage to Upper Respiratory Tract on Contact  
with Caustic Substances.

Orig Pub : Ceskosl. otolaryngol., 1957, 6, No 2, 75-79

Abstract : On examination of 120 workers of a metal processing plant  
(72 women and 48 men, duration of employment from 2 months  
to 7 years), exposed to  $H_2SO_4$  (concentration 0.01-0.03  
mg/liter) the following were found: erosion of nasal sep-  
tum in 72% of women and 50% of men; ulceration in 16%  
(duration of employment 2-7 years); increased secretion  
of nasal mucosa glands in 87%; chronic rhinitis in 11%;  
Otolaryngologicke oddeleni OUNZ v Kladne.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Application - Safety Engineering. Sanitary  
Engineering.

H-6

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8514

chronic hypertrophic rhinitis in 7%; chronic pharyngitis in 21% of men and 16% of women; atrophic changes of mucous membrane in 26% of men and 9% of women.

Card 2/2

HROZEK, B.; POKORNA, V.

Regeneration of peloids. Cas. lek. cesk. 96 no.29:906-911 12 July 57.

1. Vyzkumny ustav balneologicky, pracoviste ve Frantiskovych Laznich,  
reditel prof. MUDr K. Prerovsky.  
(MUD THERAPY  
regeneration of peloids (Cz))

BROZEK Bohumil  
SURNAME, Given Names

(P)

Country: Czechoslovakia

Academic Degrees:

Psychiatry, Balneology and Climatology Research Institute (Vyzkumní ústav pro fyziatrii, balneologii a klimatologii) Director /ředitel/ Prof K.

PREROVSKY, MD; Working Station /pracoviste/ Frantiskove Lazne

Source: Prague, Fysiatricky Vestnik, Vol 39, No 5, Oct 1961; pp 249-262

Data: "On the Genesis and 'Regeneration' of Humoliths"

GPO 981643

BROZEK B.  
SURNAME, Given Names

(3)

Country: Czechoslovakia

Academic Degrees: not given

Balneology Research Institute /Vyzkumny ustav balneologicky/ Director  
Affiliation: /reditel/ Prof K. PREROVSKY; Working Station /pracoviste/ Frantiskove Lazne

Source: Prague, Fysiatricky Vestnik, Vol 39, No 5, Oct 1961; pp 263-264

Data: "New Data on Spa Humolit Deposits in Czechoslovakia and Role of Various Disciplines  
in Basic Research Thereon"

BROZEK, B.  
DVORAK, J.

670 981643

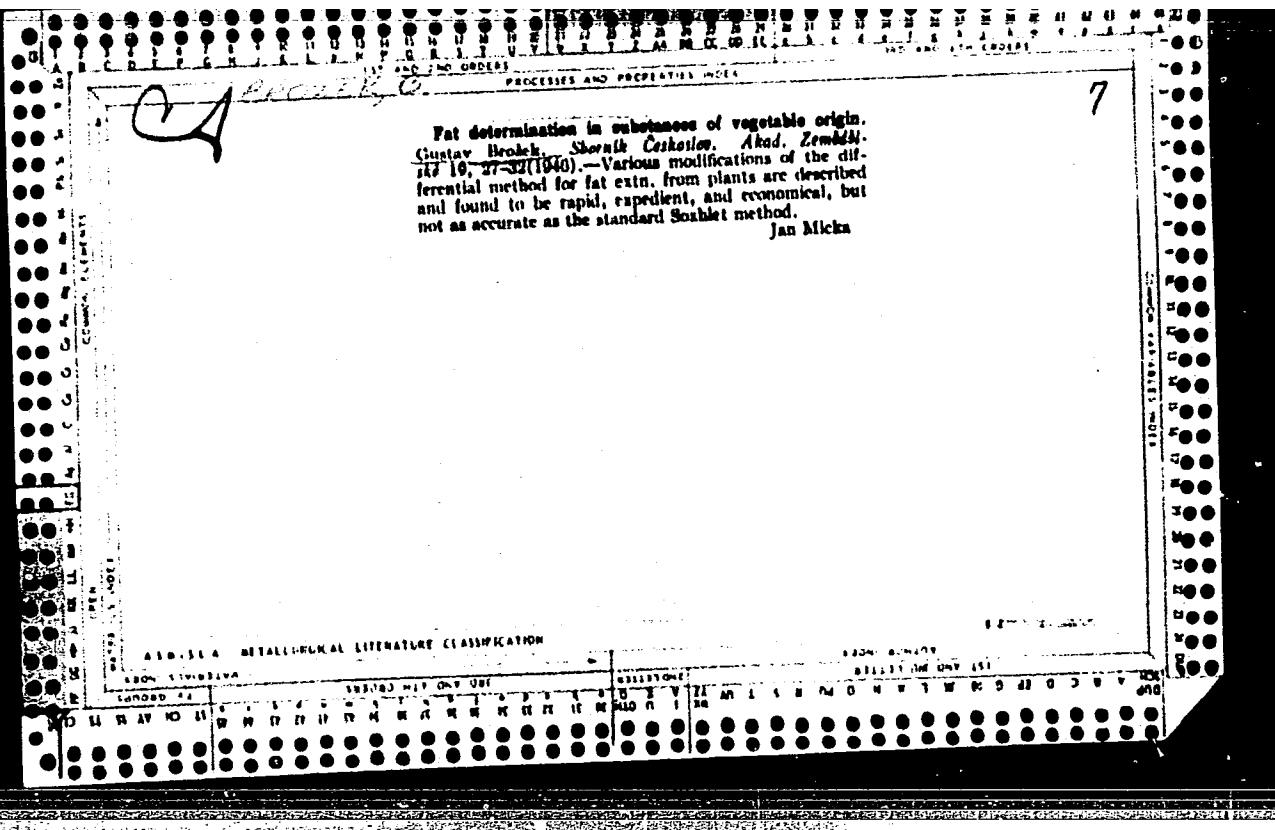
BROŽEK, B.

Czechoslovakia

Research Institute for Phisiatry, Balneology and  
Climatology -- Marienbad (Výzkumný ústav pro  
fyziatrii, balneologii a klimatologii -- Mariánské  
Lázně); Laboratory of Františkové Lázně (Praco-  
viště Františkovy Lázně); Director: K. PREROVSKÝ,  
Prof. Dr.

Prague, Fyziatrický věstník, No 5, 1962, pp 280-282

"Our Contribution to Peloid Research."



KOCAREK, A.; BROZEK, I. MUDr.; DUB, O., MUDr.

Early and late failure in tolbutamide treatment of diabetes. Cas.  
lek. cesk. 104 no. 23:622-629 11 Je '65.

1. I. interni oddeleni krajske nemocnice v Usti nad Labem  
(vedouci: MUDr. O. Dub) a Poradna pece o diabetiky polikliniky  
Obvodniho ustavu narodniho zdravi v Usti nad Labem (vedouci:  
MUDr. I. Brozek).

SZCZEKLIK, Edward; BROZEK, Jan; BOBROWSKA, Jadwiga

Result of the treatment of rheumatic disease and of rheumatoid arthritis with radon water from Swieradow. Polskie arch. med. wewnetrz. 24 no.5a:892-897 1954.

.. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej we Wrocławiu i z Ośrodka Klinicznego w Świebodzinie. Kierownik: prof. dr. E. Szczeklik.

(RHEUMATISM, therapy,  
balneother.)

(BALNEOLOGY,  
balneother. of rheum.)

KOUBA, Jan; BROZEK, Jan; TROUSIL, Antonin

Mass operation, the basic element of general repair and maintenance.  
Poz stavby ll no.7:357-363 '63.

1. Fasadostav Praha.

BROZEK, Josef, dr.

Some somatic age changes observed in man in the context of in vivo studies of body composition. Cs morfologie 10 no.2:151-160 '62.

1. Department of Psychology, College of Arts and Sciences, Lehigh University, Bethlehem, Pennsylvania.

\*

BROZEK, Josef, dr.

Methods for the study of body composition ; Some recent advances and developments. Cs morfologie 10 no. 2 161-176 '62.

1. Lehigh University, Bethlehem, Pennsylvania.

\*

CZECHOSLOVAKIA/Human and Animal Physiology - The Nervous System. T

Abs Jour : Ref Zhur Biol., № 3, 1959, 13182

Author : Brozek, J., Grande, F.

Inst :

Title : Some Aspects of Changes in Nervous Activity with Incorrect Nutrition

Orig Pub : Ceskosl. gastroenterol. a vyziva, 1958, 12, No 1, 12-17

Abstract : No abstract.

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- 104 -

BROZEK, Josef; SIMONSON, Ernst

Investigations on the role of the central nervous system in the pathogenesis of arterial hypertension conducted in the Soviet Union.  
Cas. lek. cesk. 99 no.25:[Lek. veda.zahr.]p.130-141 17 Je '60.

(HYPERTENSION etiol.)  
(CENTRAL NERVOUS SYSTEM)

BROZEK, K.

Technical training of young people in the food industry. p. 89.

(Kvasny Prumysl. Vol. 3, no. 4, Apr. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

BROZEK, K.

TECHNOLOGY

Periodical: KVASYN PRUMYSL. Vol. 4, no. 10, Oct. 1958

BROZEK, K. Industrial schools of food technology in Prague. p.222

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3  
March 1959, Uncl.

PROZEK, K.

Report on activities of the Technical School of Food Industry in Prague. p. 211.

KVASINY PRUMYSL. (Ministerstvo potravinarskeho prumyslu)  
Praha, Czechoslovakia Vol. 5, no. 2, Sept. 1959.

Monthly List of East European accession, (EAAI), IC, Vol. 4, No. 12, Dec. 1959.  
Uncl.

PIRK, F.; PETRAKOVA, M.; BROZEK, M.

Our experience with automatic measuring of blackening of the film  
with the aid of the amplimat. Cesk.rentg.14 no.6:416-418 D'60.

1. Ustav pro vyzkum vysivky lidu, Praha-Krc, reditel doc. MUDr.  
Josef Masek, Chirana, n.p. Praha-Modrany.  
(RADIOGRAPHY equip & supply)

ZALUD, P.; BROZEK, M.

Apropos of indication fro preoperative transfusion and measurement of  
the blood volume; (review). Rozh. chir. 43 no.4:227-232 Ap '64.

l. Urazove oddeleni krajske nemocnice v Usti (vedouci MUDr. C. Do-  
lejsi).

SVOBODA, M.; BROZEK, M.

Experience with the use of an automatic exposure device  
"Vakutronik" on the Chirana-Chiroskop tilting table. Cesk.  
radiol. 19 no.6:410-414 N '65.

1. Ustav hematologie a krevni transfuze v Praze (reditel prof.  
dr. J. Horejsi, DrSc.); Chirana, N.P., Praha, zavod Modrany u  
Prahy.

*BROZEK, M. Dr.*  
DVORAK, L., Dr.; KOUDELKA, Z. Dr.; BROZEK, M. Dr.

Changes of size of the cardiac shadow following long-term conservative therapy of thyrotoxicosis. Sborn. lek. 57 no.2-3:67-74 Feb 55.

1. Z III interni kliniky KU, predn. akademik J. Charvat (for Dvorak, Koudelka) 2. Rtg oddeleni Thormayerovy nemocnice v Krci. (for Brozek)

(HYPERTHYROIDISM, manifestations

heart, change of shadow size in long-term conservative ther.)

(HEART, in various diseases

hyperthyroidism, change of shadow size in long-term conservative ther.)

S/194/62/000/007/090/160  
D295/D308

AUTHOR:

Brožek, Mnata

TITLE:

A switching system for the gradual blocking for X-ray equipment using a time delay relay

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract, 7-5-59 g (Czech. pat. cl. 21 g, 20/04, no. 97970, Jan. 15, 1961)

TEXT: The author proposes a circuit ensuring the most complete utilization of X-ray equipment with a time relay. The system switches on the blocking circuit of the X-ray equipment with stabilized current, not only when the high voltage and the delay time (or one of these quantities) exceeds a determined value (the other quantity being still small) but, for a given current, enables the installation to be loaded longer at lower values of the high voltage than at higher values, and vice versa. In the circuit the high-voltage regulator is connected with a slide contact which transmits the voltage from the main bus bar to auxiliary ones according to a pre-determined voltage distribution, for example at 10 kV steps. This

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S/194/62/000/007/090/160  
D295/D308

A switching system for the ...

same main bus bar is connected, on another switching panel, with a 120 kV terminal, designating the maximum open-circuit voltage value, while other contacts are connected with 110, 100, 90 etc. kV terminals designating the corresponding lower values of d.c. or a.c. voltage difference. The time regulator is mechanically connected with a slide contact which transmits to the main bus bar the voltage from the segments spaced according to the time delays selected. The latter is connected via a contact, corresponding to the current selected, with one of the ends of the time-relay coil. The other lead of the coil is directly connected with the other polarity of the supply voltage. The blocking circuit of the voltage distributor operates in all current ranges, except one or several which are high-voltage limited. To operate the system it is sufficient to connect, in a determined sequence, the contacts corresponding to high voltage with the contacts corresponding to a determined time. A practical setup is shown with four current ranges with a time scale up to 6.4 sec. and a high-voltage scale up to 120 kV open circuit. The time scale is 0.04 - 0.2; 0.25 - 0.5; 0.64 - 1.0; 1.2 - 2.0; 2.5 - 3.2; 4.0; 5.0; 6.4 sec. The voltage scale is: 120, 110, 100, 90, 80, 70 kV open circuit. The first range has no time limit.

A switching system for the ...

S/194/62/000/007/090/160  
D295/D308

tation (always 6.4 sec.), but limitation can be introduced for a given series of voltages. In the remaining three ranges the time delay can be limited as the high-voltage increases. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110002-7

BULANDR, Jiri, inz.; DOLEZIL, Milan, dr. CSc.; BROZEK, Miroslav

Flotation of graphitic material. Sbor Vyzk ust Mnisek  
4:173-191 '64.

1. Research Institute of the Zelazorudne doly a hrudkovny  
National Enterprise, Mnisek.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110002-7"

BULANDR, Jiri; DOLEZIL, Milan, dr.; BROZEK, Miroslav

New flotation reagent for nonsulfidic minerals. Rudy 11  
no. 3:67-72 Mr '63.

VOJTECH, O.; BROZEK, V.; NEUMANN, L.

Effect of acetone on the separation efficiency in the chromatographic separation of rare earth by elution with  $\alpha$ -hydroxyisobutyric acid. Coll Cz Chem 27 no.11:2535-2540 N '62.

I. Institut fur Kernbrennstoffe und Radiochemie, Technische Hochschule fur Chemie, Prag.

BROZEK, V.

Control, an indivisible part of management, p. 41.

TECHNIKA VYKUPU, MLYNARSTVI A PEKARSTVI. (Ministerstvo potravinarskeho  
prumyslu a vykupu zemedelskych vyrabku a Sdruzeni mlynu a pekaren)  
Praha, Czechoslovakia, Vol. 5, no. 1, Jan. 1959.

Monthly List of East European Accessions (EEAI), LC Vol. 9, no. 2,  
Feb. 1960

Uncl.

VOJTEČH, O; BROŽEK, V; NEUMANN, L.

Czechoslovakia

Institute for Nuclear Combustible Matter and  
Radiochemistry, Technical High School for Chemistry  
-- Prague -(for all)

Prague, Collection of Czechoslovak Chemical Communi-  
cations, No 11, 1962, pp 2535-2540

"Influence of Acetone on the Separation Effectiveness  
in the Chromatographic Separation of Rare Earths  
through Elution with  $\alpha$ -Hydroxyisobutter Acid."

BROZEK, V.

CZEDOSLOVAKIA

PETRU, P.; BROZEK, V.; HANEK, B.

Institute for Inorganic Chemistry, Higher Technical School for Chemistry  
(Institut für anorganische Chemie, Technische Hochschule für Chemie)  
Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, Feb  
1966, pp 921-927

"New phase in the system magnesium-oxide."

L 20656-66 EWP(t) IJP(c) JD/JH  
ACC NR: AP5028799

SOURCE CODE: CZ/0009/65/000/009/0540/0543

4-4

B

AUTHOR: Brozek, V.—Brozhek, V.; Prosek, F.—Prosek, F.

ORG: Inorganic Chemistry Department, University of Chemistry and Technology, Prague  
(Katedra anorganické chemie, Vysoká škola chemicko-technická)

TITLE: Preparation of spectroscopically pure aluminum

SOURCE: Chemicky prumysl, no. 9, 1965, 540-543

TOPIC TAGS: aluminum, aluminum oxide, impurity level, metal crystal

ABSTRACT: A mixture of aluminum carbide and aluminum crystals was obtained from reduction of aluminum oxide by carbon at 2300°C and 5 atm. Metallic impurities included in the raw material in concentrations not exceeding 0.01% were present in the carbide phase only, as the aluminum crystals were spectroscopically pure. Metal crystals separated by simple means can be used for various purposes; coating of mirror surfaces in vacuo was tried as an example. The authors thank Eng. B. Hajek for his comments, and Eng. J. Pesek for making the spectrum analysis. The paper is dedicated to professor Eng. D. Frantisek Petr on the occasion of his 60th birthday. Orig. art. has: 8 figures, 3 formulas and 1 table. [Author's abstract.]

SUB CODE: 11, 07/ SUBM DATE: 14Apr65/ ORIG REF: 001/ OTH REF: 006/

UDC: 546.621

10: 669.71

2

Card 1/1 BK

L 06242-67 EWP(t)/ETI/EWP(h)/EWP(l) IJP(c) JD

ACC NR: AP6019419

(A)

SOURCE CODE: CZ/0078/66/000/005/0017/0017

INVENTOR: Brozek, Vlastimil (Engineer; Prague); Prosek, Frantisek (Engineer; Prague)

ORG: None

TITLE: [Method of manufacturing high purity metallic aluminum] CZ Pat. No. PV 3244-65, Class 40

SOURCE: Vynalezy, no.5, 1966, 17

TOPIC TAGS: aluminum oxide, aluminum, crystal, metal crystal; HIGH PURITY METAL

ABSTRACT: A method for the manufacture of metallic aluminum of high purity up to 99.999% in the form of crystals up to 2mm in size is described which has the distinguishing feature that a mixture of powdered aluminum oxide and of carbon in the stoichiometric proportion of 1 : 3 is heated at a temperature of 2,200 - 2,500°C for 5 - 15 min. in a graphite crucible with a piston activated cover which maintains the mixture under a pressure of 2 - 10 atm. At the termination of the heating process, the aluminum crystals are separated from the resulting product through the hydrolytic decomposition of the aluminum carbide by redistilled water. The initial products or raw materials, aluminum oxide and carbon, must not contain more than 0.2% of impurities and the size of the powder particles must not be greater than 0.5mm.

SUB CODE: 11/ SUBM DATE: 19 May 65

Card 1/1 egr

39

B

BROZGOL', A.M.; TAGAYEVSKIY, L.I.; TAPTAPOVA, S.L.

Characteristics of oral prosthesis following laryngectomy.  
Stomatologiya 40 no.3:85-88 My-Je '61. (MIRA 14:12)

1. Iz stomatologicheskogo poliklinicheskogo otdeleniya i otolaringo-  
logicheskogo otdeleniya (zav. otdeleniyem - doktor med.nauk I.N.  
Aleksandrov) Moskovskogo gorodskogo chelyustno-litsevogo gospitalaya  
(nachal'nik - dotsent A.A.Kovner). (LARYNX-SURGERY) (DENTAL PROSTHESIS)

BROZGOL', G.I.

Forum of the Scientific Council of the All-Union Scientific  
Research Institute of Fats in Tashkent, Nauk. zhir, prem. 17 no.1:31-32  
dr '54.  
(MLR 10:9)

(Oils and fats- Congresses)

BROZGOL', G.I.

BROZGOL', G.I.

Group of degree candidates of the All-Union Scientific Research  
Institute of Mats. Mysl. zhir.prom. 17 no.1:32 Ja '52. (MLRA 10:9)  
(Technical education) (Civil industries)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110002-7

BROZGOL", I.M.

Effect of rotation speed of parts on the productivity of the grinding process  
Podshipnik no.6, 1952

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110002-7"

1. BROZGOL', I. M.
2. USSR (600)
4. Grinding and Polishing
7. Perfecting the cross feed mechanism of automatic grinders. Podshipnik no. 11 1952.
  
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

BAYKOV, S.P., kand. tekhn. nauk; HELENKO, I.S., kand. tekhn. nauk;  
BELKOV, S.F., inzh.; BELYANCHIKOV, M.P., inzh.; BERNSHTEYN,  
I.L., inzh.; BOGORODITSKIY, D.D., inzh.; BOLONOVA, Ye.V.,  
kand. tekhn. nauk; BROZGOL', I.M., kand. tekhn. nauk;  
VLADIMIROV, V.B., inzh.; VOLKOV, P.D., kand. tekhn. nauk;  
GERASIMOVA, N.N., inzh.; ZHUKHOVITSKIY, A.F., inzh.;  
KABANOV, M.F., inzh.; KANEVTSOV, V.M., kand. tekhn. nauk;  
KOLOTENKOV, I.V., inzh.; KONDRAT'YEV, I.M., inzh.;  
KUZNETSOV, I.P., kand. tekhn. nauk; L'VOV, D.S., kand.  
tekhn. nauk; LYSENKO, I.Ya., kand. tekhn. nauk; MAKAROV,  
L.M., inzh.; OLEYNIK, N.D., inzh.; RABINER, Ye.G., inzh.;  
ROZHDESTVENSKIY, Iu.L., kand. tekhn. nauk; SAKHON'KO, I.M.,  
kand. tekhn. nauk; SIDOROV, P.N., inzh.; SPITSYN, N.A., prof.,  
doktor tekhn. nauk; SPRISHEVSKIY, A.I., kand. tekhn. nauk;  
CHIRIKOV, V.T., kand. tekhn. nauk; SHEYN, A.S., kand. tekhn.  
nauk; NIEMERG, N.Ya., nauchnyy red.; BLAGOSKLONOVA, N.Yu., inzh.,  
red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Antifriction bearings; manual] Podshipniki kacheniiia; spra-  
vochnoe posobie. Moskva, Gos. nauchno-tekhn. izd-vo mashino-  
stroit. lit-ry, 1961. 828 p. (MIRA 15:2)  
(Bearings (Machinery))

I 11794-66 EWT(d)/EWT(m)/EWP(w)/EWP(c)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWP(l)/EWA(c)/

ACC NR: AT6000067 ETC(m) LJP(c) SOURCE CODE: UR/0000/65/000/000/0174/0179  
JD/WW/EM/DJ/GS

AUTHOR: Brozgol', I. M.<sup>44</sup>

ORG: Conference on Strengthening Machine Parts, Moscow (Soveshchaniye po uprochneniyu detaley mashin) <sup>44</sup>

TITLE: Increasing ball bearing life by lapping

SOURCE: Soveshchaniye po uprochneniyu detaley mashin, Moscow, 1962. Uprochneniye detaley mashin mekhanicheskim naklypyvaniyem (Work-Hardening of machine parts); trudy soveshchaniy Moscow, Izd-vo Nauka, 1965, 174-179

TOPIC TAGS: ball bearing, durability, metal finishing, metal surface, metal stress, endurance test, metal polishing

ABSTRACT: Since both surface finish and surface stresses have an important effect on ball bearing life, different methods of ball bearing groove finishing were investigated. Life tests with ball bearings having class 12 balls and class 9-12 ball grooves showed that improving the finish increased the life considerably. Ball bearings with grooves of less than class 10 finish improve their finish during operation, those with initial finish of 10-11 remain the same, while those with class 12 initial finish had their finish deteriorate to 11. To obtain the desired finish of class 10-11, the polishing operation has to remove 0.025 mm if the surface was class 7 before the finishing, and 0.015 and 0.010 mm respectively for class 8 and 9

Card 1/2

58  
56  
BT/1

L 11794-66

ACC NR: AT6000067

2

initial finish. The residual stresses due to superfinishing, grinding, and cloth polishing were investigated. It was found that superfinishing left compressive stresses of up to  $190 \text{ kg/mm}^2$  (due to uneven plastic deformations), that grinding left tensile stresses of  $150 \text{ kg/mm}^2$  (due to local heating), and that cloth polishing left tensile stresses of up to  $145 \text{ kg/mm}^2$  but only to a depth of 1 micron (due to fast rotation of part, eliminating local heating). During cloth polishing (lapping) it was found that the speed of the part had to be 63-700 m/min to provide satisfactory bearing life. Below these speeds local heating would leave excessive stresses and drastically lessen bearing life. Since superfinishing and grinding leave excessive stresses while the usual lapping cannot remove the required amount of metal (0.015-0.025 mm), a new lapping process was developed which uses a continuous supply of rubbing compound to the cloth and thus permits removal of sufficient metal (for class 10-11 finish) without leaving residual stresses. Orig. art. has: 4 figures.

SUB CODE: 13/ SUBM DATE: 24Apr65  
9-4(b)(1)  
Cord 2/2

*BROZGOL', M.*

DANILENKO, A.; CHUMAKOV, N.; SERBINOVSKIY, G.; GRACHEV, V.; KHRAMUSHIN, A.;  
SOKOLOV, B.; BOL'SHAM, Ya.; TAYTS, A.; NEYFEL'D, M; FRENKEL', S.;  
LYUDMIRSKIY, I.; NEBESNYY, A.; VESHNEVSKIY, S.; YERMILOV, A.;  
BROZGOL', M.; SOLOV'IEV, P.; KLIUYEV, S.; ROZENTAL', A.; SMIRNOV, V.;  
DOROFEYUK, A.

Solomon Mikhailovich Livshits; obituary. From energ. 11 no.12:34  
(MLRA 10:1)  
D '56.  
(Livshits, Solomon Mikhailovich, 1901-1956)

L 44691-66 EWT(d)/EWT(m)/EWP(c)/EWP(k)/T/EWP(v)/EWP(t)/ETI/EWP(1) IJP(c)  
ACC NR: AR6010651 SOURCE CODE: UR/0276/65/000/010/B107/B107

WW/JD/DJ

AUTHOR: Brozgol', I. M.; Alakshin, B. V.; Chistyakov, A. S.

52

TITLE: Investigation of the lapping process 6

B

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 10B674

REF SOURCE: Tr. Seminara po vopr. progressivn. metodov shlifov. i dovodki detaley, obespech. vysok. i stabil'n. tochnost' i dolgovechn. podshipnikov kacheniya. M., 1964, 57-71

TOPIC TAGS: metal polishing, surface finishing, roller bearing, bearing race, silicon carbide

ABSTRACT: It is experimentally established that the amount of metal removed during the lapping operation which gives the greatest durability to roller bearings depends on the conditions for grinding the races; in the case of severe grinding conditions with an initial 7th class surface finish, the durability of the bearings is improved by increasing metal removal during lapping. In the case of grinding conditions which give an 8th class surface finish, metal removal during lapping should not exceed 15-20  $\mu$ . The appearance of comets on the lapped surface is due to abrasive grains getting into the pores of the metal. The greatest tendency to comet formation is shown by silicon carbide grit, while diamond dust shows the least tendency to this phenomenon. When

UDC: 621.923.6.001.5

L 44691-66  
ACC NR: AR6010651

paste abrasive is used for lapping, carbides are stretched out in the direction of the finishing operation due to plastic deformation. White bands on the finished surface appear when the part is lapped at a rate of 12 m/sec and a specific pressure of 32 kg/cm<sup>2</sup>. These white bands are not observed when the lapping rate and specific pressure are reduced. 13 illustrations, bibliography of 2 titles. L. Romancheva [Translation of abstract]

SUB CODE: 13

hs

BROZGOL', M.M., inzh.

Electrical equipment in the Bhilai Metallurgical Works.  
Elektrichestvo no.7:5-10 Jl '60. (MIRA 13:8)

1. Gosudarstvennyy proyektnyy institut Tyazhpromelektroprojekt.  
(India--Technical assistance, Russian)  
(Drug, India--Metallurgical plants--Electric equipment)

32-24-4-51/67

AUTHOR:

Brozgul', L.I.

TITLE:

One-Component Photoelectron Vibrometer (Odnokomponentnyy  
fotoelektronnyy vibrometr)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 4, pp. 490-491 (USSR)

ABSTRACT:

The device described is being used at the Nevskiy Machine-building plant, imeni V.I.Lenin for the determination of revolvable shaft oscillations. A schematical drawing of the shaft path is given, from which it may be seen that it is possible to measure the frequency and amplitude of curvature vibrations of revolving parts in any direction, which is brought about by turning a screen at a certain angle. The latter is moved by means of a microscrew, so that the device can be calibrated according to the amplitude. Sensitivity can be doubled by using two diametrically arranged slits and two photoelements. A constructional scheme of the vibrometer itself, directions for use, and an oscillogram are given. The advantage of the method described is the linear frequency characteristic of the device for wide ranges. The vibrometer described can be used for investigation work as well as for

Card 1/2

One-Component Photoelectron Vibrometer

32-24-4-51/67

the control of shaft vibration in stationary devices. A number of experiments of this kind, which were carried out by the Institute mentioned below, is described. There are 3 figures.

ASSOCIATION: Leningradskiy politekhnicheskiy institut im. M.I. Kalinina  
(Leningrad Polytechnic Institute imeni M.I. Kalinin)

1. Shafts--Oscillation    2. Bodies of revolution--Vibration  
3. Vibration--Measurement    4. Vibration--Control    5. Photo-  
electrons--Applications

Card 2/2

AUTHOR: Brozgul', L.I., Engineer SOV/122-59-3-4/42

TITLE: Investigation of the Dynamics of Overhung Rotors in  
Turbo-Machinery (Issledovaniye dinamiki konsol'nykh  
rotorov turbomashin)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 3, pp 14-19 (USSR)

ABSTRACT: An experimental investigation of the vibration behaviour  
of rotors with overhung discs was carried out at the  
Nevskiy Mach. Building Works ((Nevskiy) Mashinostroitel'nyy  
Zavod) "Imeni V.I. Lenina". The effect of design factors  
and physical conditions on the vibration of such rotors  
supported on plain bearings was studied. 6 variants of  
shafts of 55 mm diameter were tested and are listed in  
Table 1. In all cases, the rear end carried a 19 kg disc  
at 200 mm distance from the centre of the rear bearing.  
The overhung front disc weighed 20.8 or 30 kg. The over-  
hung length was 250, 275 or 300 mm and the distance  
between the bearings was 300 or 500 mm. The first  
critical speed, computed by simple analysis (ignoring  
gyroscopic effects) varied between 3750 and 4870 rpm.  
Card 1/5 The first critical speed found on test was determined

SOV/122-59-3-4/42

## Investigation of the Dynamics of Overhung Rotors in Turbo-Machinery

with an unbalance of 100 gcm. In three of the variants the experimental critical speed was substantially lower than the theoretical (eg 3000 compared with 4450 rpm). In other variants, even at an unbalance of 200 gcm, no first critical was observed. The loads on the bearings could be varied by a loading device (centre bearing) tensioned with counter-weights. The shaft was rotated by an electric motor of a maximum speed about 3 times the first theoretical critical speed. The gearings were given forced lubrication with machine oil at a temperature of about 25°C. The specific bearing pressures were about 1-2 kg/cm<sup>2</sup> and even lower. The width of the front (pure journal) bearing could be 45, 55 or 85 mm. The longest bearing had a central groove. The vibrations at the end of the shaft were measured by a two-component photo-electric vibrometer which permitted the observation on an oscilloscope screen of a precession motion. The bearing clearances were larger than customary. In raising the rpm, the first critical speed was either easily traversed or failed to be observed. The critical speeds,

Card 2/5

SOV/122-59-3-4/42

Investigation of the Dynamics of Overhung Rotors in Turbo-Machinery taking into account the gyroscopic effect in synchronous or inverse precession were not in evidence. Really large vibrations occurred due to oil film instability at a frequency of about half the rotational speed at over 6000 rpm. These vibrations could not be traversed in a single case. The rpm at which the oil film oscillations become violent is given in the last column of Table 1. This rpm can be raised by additional bearing loads. The following general observations have been made. The range of dangerous oil film vibrations depends on the natural frequency of the system considered simply supported. With a higher natural frequency the oil film vibrations start at a higher speed. The frequency of oil film vibrations is somewhat less than half the rpm. The amplitude of vibrations at the first critical speed is a non-linear function of the unbalance. Static balancing proved sufficient to suppress the first critical speed. Self-excited vibrations occur at 10-40% above the first critical speed, but are not dangerous.

Card 3/5 Additional loading of the bearings delays both the self-

SOV/122-59-3-4/42

Investigation of the Dynamics of Overhung Rotors in Turbo-Machinery excited oscillations and the oil film vibrations. This delay is independent of the manner in which the additional loading is applied, whether by the loading device or an additional mass. The range of oil film vibrations depends on the bearing clearances. The pressure of the bearing oil supply has no effect on the oil film vibrations. The stable region is increased by reducing the moment of inertia of the rotating overhung disc. The trajectory of the shaft motion during oil film vibrations has several loops. During oil film vibrations the amplitude of the bearing cover does not increase. A shaft mounting where the ratio of the overhung disc arm to the distance between the bearings is equal to unity is less prone to vibrations at the first critical speed. The use of the long journal bearings raised the speed for oil film vibrations by 10%. The fit of the overhung disc on the shaft has no effect on the vibration behaviour. In all tests, synchronous precession was observed. It is pointed out in particular that the system can operate without a mass between the supporting bearings. Sliding bearings cannot be considered as simple hinged

Card 4/5

SOV/122-59-3-4/42

Investigation of the Dynamics of Overhung Rotors in Turbo-Machinery

supports. An analysis relates the natural frequency of the system to the stiffness of the rotors and the stiffness of the bearings. This relation is graphically illustrated in Fig 9. Fig 10 shows the relation between the two natural frequencies of the system with synchronous and inverse precession as a function of the moment of inertia of the disc and of the natural frequency without gyroscopic effect.

There are 10 figures, 2 tables and 6 references (5 Soviet and 1 English).

Card 5/5

**USSR**

ACCESSION NR: AP3006684

S/0286/63/000/008/0047/0047

AUTHOR: Brozgul', L. I.; Afonin, A. S.

TITLE: An inertia-pendulum horizon indicator. Author's Certificate NR 154043  
Class G 01c; 42c, 38

SOURCE: Byul. izobreteniya i tovarnykh znakov, no. 8, 1963, 47

TOPIC TAGS: inertia-pendulum horizon indicator, gyrohorizon linear correction,  
artificial horizon

ABSTRACT: An inertial-pendulum horizon indicator for linear correction of ship gyrohorizons, consisting of a housing, a pendulum, an angle indicator and a moment indicator; characterized in that, to increase the operating precision of the gyrohorizon, the horizon indicator is provided with an inertial cylinder connected with the pendulum and the housing by torsion rods, forming error detection systems which are floated in liquid; the first system, including the cylinder and the pendulum, detects the angular error between the cylinder and the pendulum and applies an error-correcting moment to the pendulum; the other system, including the cylinder and the housing, picks up the gyrohorizon correcting signal. Orig. art. has: one figure.

Card 1/3

ACCESSION NR: AP3006684

ASSOCIATION: None

SUBMITTED: 07Apr62

DATE ACQ: 30Sep63

ENCL: 01

SUB CODE: CG

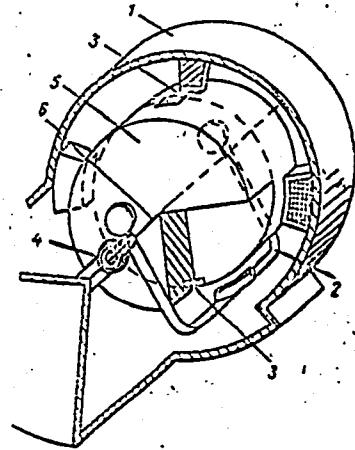
NO REF SOV: 000

OTHER: 000

Card 2/3

ACCESSION NR: AP3006684

ENCLOSURE: 01



1 - housing; 2 - pendulum; 3 and 4 - angle and moment sensors, respectively; 5 - inertial cylinder; 6 - torsions.

Card 3/3

L 24421-65 EED-2/EEO-2/EEC(k)-2/ENG(v)/EWT(d)/EWT(l)/FS(b)/FSS-2 Pg-5/  
Pg-4/Pk-4/P1-4/Pn-4/Po-4/Pq-4/Pac-4/Pae-2 GW/BC  
ACCESSION NR: AP4047054 S/0286/64/000/018/0057/0057

AUTHOR: Brozgol', L. I.

B  
TITLE: Gyroscopic hydraulic apparatus for measuring angular velocity and  
determining geographic latitude. Class 42, No. 165319 9M

SOURCE: Byul. izobr. i tovar. snakov, no. 18, 1964, 57

TOPIC TAGS: gyroscope, hydraulic control, angular velocity, geographic latitude

ABSTRACT: This Author Certificate presents a gyroscopic hydraulic apparatus for measuring the angular velocity and determining geographic latitude. The apparatus (see Fig. 1 of the Enclosure) contains a hermetically sealed container within which a cylinder is suspended by torsion springs. The cylinder is connected to a pump by tubes which carry liquid. To increase the accuracy of measurements, the cylinder is provided with radial ducts leading to the axial duct into which the liquid is pumped in two opposing streams. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 19Jun62

SUB CODE: ES/N&C

Card 1/2

ATD PRESS: 3/21

NO REP SOV: 000

ENCL: 01

OTHER: 000

L 24421-65  
ACCESSION NR: AP4047054

ENCLOSURE: 01

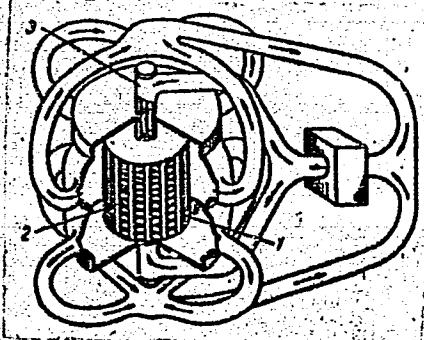


Fig. 1. Gyroscopic hydraulic apparatus

1 - Cylinder; 2 - radial ducts;

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CIA-RDP86-00513R000307110002-7

PROZVUL, M. N.

28478

Travopolbnyye syevoooborotyv zyernovykh sovkhozakh. Scv. Agronomiya, 1949, No. 9, S. 41-50

SO: LETOPIS No. 34

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110002-7"

BROZGUL', M. M.

Agriculture

Development of mechanization in agriculture. (moskva), Selkhozgiz, 1949.

9. Monthly List of Russian Accessions, Library of Congress, October 1953 Unclassified.

BROZGUL', M.M.

"Agrobiological principles in the cultivation of perennial grasses in Southeastern USSR"

by F.I. Filatov

reviewed by M.M. Brozgul'

Sov. kniga no.8, 1952

BROZGUL', M.M.

Agriculture

Crop rotation and the consolidation of the branches of activity on state farms.  
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 Unclassified.

BROZGUL', M. M.

Grasses

Introduction of grass in crop rotation on amalgamated collective farms in Orlov Province. D. G. Gomozov. Reviewed by M. M. Brozgul'. Sov. kniga No. 2, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

BROZGUL', M.M.

USSR/Agriculture

Card : 1/1

Authors : Brozgul', M. M.

Title : Committed errors should be eliminated.

Periodical : Vest. AN SSSR, 24, Ed. 5, 98 - 103, May, 1954

Abstract : M. M. Brozgul' criticizes a monographical work on poly-field system of farming.

Institution : ...

Submitted : ...

*Brozul', Miron Matveyevich*

BROZUL', Miron Matveyevich; BERGAUZ, R.I., red.; TIKHONOV, Ye.M., red.;  
BALLOD, A.I., tekhn.red.

[Organizing production on state farms on virgin lands; based on  
data from the Dzambul State Farm in Chayan District, South  
Kazakhstan Province] Organizatsiya proizvodstva v tselinnom  
sovkoze; na primere sovkoza imeni Dzhambula Chaianovskogo  
raiona Iuzhno-Kazakhstanskoi oblasti. Moskva, Gos.izd-vo  
sel'khoz.lit-ry, 1957. 134 p. (MIRA 11:1)  
(State farms)

AREF'YEV, T.I., kand. ekon. nauk; BRASLAVETS, M.Ye., prof., doktor  
ekon. nauk; BROZGUL', M.M.; VLASOV, N.S., prof., doktor  
ekon. nauk; DUBROVA, P.F., doktor ekon. nauk; YESAULOV, P.A.,  
kand. sel'khoz. nauk; ZAL'TSMAN, L.M., prof., doktor sel'-  
khoz. nauk; KAL'M, P.A., dotsent, kandidat sel'sko-  
khoz. nauk; KOSTSELETSKIY, N.A., kand. ekon. nauk; KRYLOV,  
V.S., kand. sel'khoz. nauk; LIBKIND, A.S., dots., kand. ekon.  
nauk; MAKAROV, N.P., prof., doktor ekon. nauk; OGLOBLIN, Ye.S.,  
kand. sel'khoz. nauk; POLOVENKO, S.I., kand. ekon. nauk; POPOV,  
S.A., dots., kand. ekon. nauk; SAPIL'NIKOV, N.G., doktor ekon.  
nauk; TISHCHENKO, G.A., prof., kand. ekon. nauk; TYUTIN, V.A.,  
prof., doktor ekon. nauk; YANYUSHKIN, M.F., kand. ekon. nauk;  
PYLAYEVA, A.P., red.; FREYDMAN, S.M., red.; SOKOLOVA, N.N.,  
tekhn. red.

[Organization of socialist agricultural enterprises] Organiza-  
tsiya sotsialisticheskikh sel'skokhoziaistvennykh predpriatii;  
kurs lektsii. Moskva, Sel'khozizdat, 1963. 662 p.

(MIRA 16:8)

1. Zaveduyushchiy otdelom ekonomiki Vsesoyuznogo nauchno-  
issledovatel'skogo instituta sakhariny svezly (for Aref'yev).
2. Odesskiy sel'skokhozyaystvennyy institut (for Braslavets).

(Continued on next card)

AREF'YEV, T.I.— (continued). Card 1.

3. Moskovskaya sel'skokhozyaystvennaya akademiya im. K.A.Timiryazeva (for Vlusov).
4. Zaveduyushchiy otdelom ekonomiki i organizatsii Nauchno-issledovatel'skogo instituta sadovodstva im. I.V.Michurina (for Dubrova).
5. Moskovskiy Gosudarstvennyy universitet im. M.V.Lomonosova (for Zal'tsman, Polovenko).
6. Zaveduyushchiy kafedroy organizatsii sel'skokhozyaystvennogo proizvodstva Leningradskogo sel'skokhozyaystvennogo instituta (for Kal'm).
7. Zaveduyushchiy otdelom ekonomiki Nauchno-issledovatel'skogo instituta ovoshchnogo khozyaystva (for Kostseletskiy).
8. Vsesoyuznyy nauchno-issledovatel'skiy institut pitsevodstva (for Krylov).
9. Moskovskiy ekonomiko-statisticheskiy institut (for Libkind).
10. Vsesoyuznyy sel'skokhozyaystvenniy institut zaochnogo obrazovaniya (for Makarov).
11. Zaveduyushchiy otdelom ekonomiki Krasnodarskogo nauchno-issledovatel'skogo instituta sel'skogo khozyaystva (for Ogloblin).
12. Kafedra organizatsii sel'skokhozyaystvennogo proizvodstva Leningradskogo sel'skokhozyaystvennogo instituta (for Popov).
13. Zaveduyushchiy kafedroy Sovetskoy ekonomiki Vysshey partiynoy shkoly (for Sapil'nikov).
14. Voronezhskiy sel'skokhozyaystvennyy institut (for Tishchenko).
15. Leningradskiy sel'skokhozyaystvennyy institut (for Tyutin).
16. Direktor Severo-Kavkazskogo filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Yanyushkin).

(Agriculture—Economic aspects)

BROZHEK, K.

BILEK, Vatslav, inzhener; BLATNNYY, Tibor, inzhener, doktor; BROZHEK,  
Karl, inzhener; DOGNAL, Lyudvig; GLAVACHEK, Frantisek; LGOTSKIY,  
Alois, inzhener, doktor; MAKHAT, Frantisek; NAZAL, Yaroslav;  
OSVAL'D, Vladimir, inzhener; MUZHICKA, Moymir, inzhener; SALACH,  
Vatslav, inzhener, doktor; TRKAN, Miroslav, inzhener; ZHILA, Vladimír;  
SHKOP, Ya., inzhener [translator]; MEDINTSEV, M., inzhener,  
[translator]; MASLOVA, Ye.F., redaktor; GOTLIB, E.M., tekhnicheskiy  
redaktor.

[Technology of malt and beer] Tekhologija soloda i piva. Avtorskii  
kollektiv Vatslav Bilek i dr. Avtoriz.perevod s cheskogo IA.Shkopa  
i M.Medintseva, Moskva, Pishchepromizdat. Vol. 1.[Malt production]  
Proizvodstvo soloda. Translated from the Czech. 1957. 285 p.

(MLRA 10:6)

(Malt)

KOVAL', N.M., nauchnyy sotr., kand. sel'khoz. nauk; GERMAN, Ya.B., starshiy nauchnyy sotr.; BIRYUKOV, Yu.V., starshiy nauchnyy sotr.; MART'YANOVA, O.A., starshiy nauchnyy sotr.; SHASHKOV, I.G., nauchnyy rabotnik; KORSHAK, I.T.; BROZHEYT, M.F.; KUKHARCHUK, G.N.; YEFREMOV, N.V., red.; CHEREVATSKIY, S.A., tekhn. red.

[Technological charts for grape cultivation] Tekhnologicheskie karty po vozdelivaniyu vinograda. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR, 1961. 141 p. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya im. Tairova (for Koval', German, Biryukov, Mart'yanova). 2. Zakarpatskaya optytnaya stantsiya (for Shashkov). 3. Ministerstvo sel'skogo khozyaystva USSR (for Korshak, Brozheyt, Kucharchuk).

(Ukraine--Viticulture)

ZALIVSKIY, Ippolit Leopoldovich; BROZHET, Ye. Yu., redaktor; CHUNAYEVA,  
Z.V., tekhnicheskiy redaktor

[Dahlias] Georginy. Izd. 2-oe. Moskva, Gos. izd-vo selkhoz. lit-ry.  
1956. 141 p.  
(MLRA 10:1)  
(Dahlias)

BROZHINA, L.I.  
IYERUSALIMSKIY, N.D.; ANISIMOVA, S.A.; BROZHINA, L.I.

Full-value synthetic medium for *Bacillus acetoethylicus*. Trudy Inst.  
mikrobiol. no.2:114-120 '52. (MLRA 5:12)

(BACILLUS,  
macerans, culture medium)  
(CULTURE MEDIA,  
for *Bacillus macerans*)

GANCZARSKI, A.; SROCZYNSKI, K.; BROZIK, H.; GOLDSTEIN, L.; KOWALSKA, D.;  
LIPINSKA, I.; MIKUCKI, J.; NAREBSKA, E.; RADZIKOWSKA, H.

Effect of *Bacillus subtilis* on the course of infant diarrhea and  
intestinal flora. Pediat pol 36 no.2:117-128 F '61.

1. Z I Kliniki Chorob Dzieci A.M. w Lodzi Kierownik Kliniki: doc.  
dr med. K. Sroczynski Kierownik Katedry A.M. i W.A.M. w Lodzi:  
prof. dr med. Fr. Redlich i z Zakladu Bakteriologii A.M. i W.A.M.  
w Lodzi Kierownik: zastepca prof. dr med. A. Ganczarski.

(DIARRHEA in inf & child) (BACILLUS SUBTILIS infect)

GANCZARSKI, Alfred; BROZIK, Henryka; MIKUCKI, Jerzy

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med. K. Sroczynski) i z Zakladu Bakteriologii AM w Lodzi  
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E. Wilkoszewski i Z Zakladu Higieny Ogolnej i Spolecznej A. M. w Lodzi.  
Kierownik: doc. dr med. J. Mofer. Adres: Lodz, ul. Armii Czerwonej 15.  
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doc.dr.med. K. Sroczynski. Kierownik Katedry: prof.dr.med. Fr. Red-  
lich.

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(INFANT CARE)

(GROWTH in inf.& child.)

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Akademii Medycznej w Lodzi (kierownik: prof. dr. med. E. Jaszynski),  
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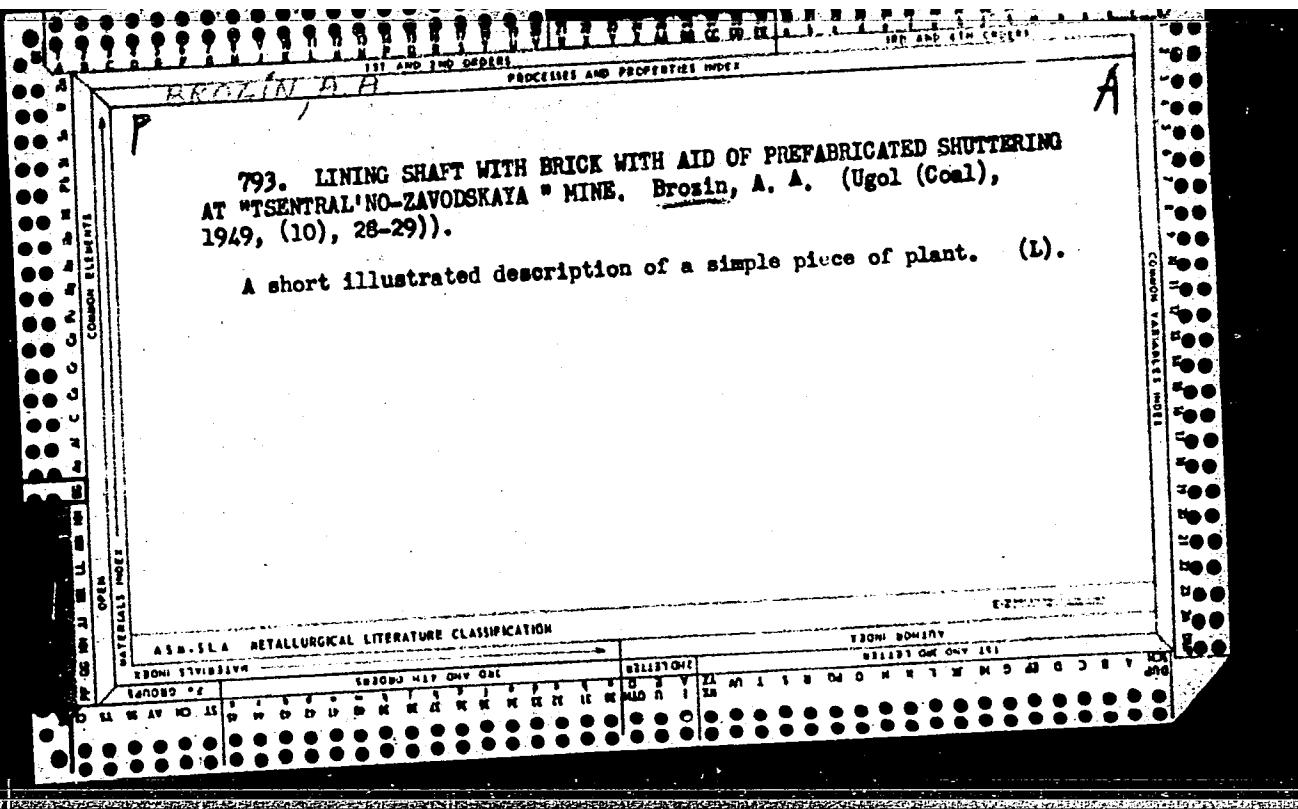
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Clinic of Internal Diseases, Faculty of Medicine, KU /Karlova  
Affiliation: universita; Charles University/ (Klinika chorob vnitrnich Lekar-  
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b6 b7c *BROZKOVA-MORAVKOVA, Vilemína*

BOBEK, Karel

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Prof. MUDr.

Director of the Clinic for Internal Diseases of  
the Medical Faculty of KU (Karlova Universita - Charles  
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Co-authors:

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Central X-ray Department of State Faculty Hospital,  
Plzen; Assistant Director: Z. Chudacek, Dr.  
CAJZL, Ludvík, MD, same.

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